

6/15 #7



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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/082,815

DATE: 08/14/2002

TIME: 13:55:43

Input Set : A:\27911003007.txt.txt

Output Set: N:\CRF4\08142002\J082815.raw

4 <110> APPLICANT: Jenson, James C.  
5 Sworin, Michael  
7 <120> TITLE OF INVENTION: INHIBITORS OF BINDING BETWEEN PROTEINS  
8 AND MACROMOLECULAR LIGANDS  
11 <130> FILE REFERENCE: 2791.1003-007  
13 <140> CURRENT APPLICATION NUMBER: 10/082,815  
C--> 14 <141> CURRENT FILING DATE: 2002-08-09  
16 <150> PRIOR APPLICATION NUMBER: PCT/US00/23346  
17 <151> PRIOR FILING DATE: 2000-08-23  
19 <150> PRIOR APPLICATION NUMBER: 60/150,230  
20 <151> PRIOR FILING DATE: 1999-08-23  
22 <150> PRIOR APPLICATION NUMBER: 60/150,318  
23 <151> PRIOR FILING DATE: 1999-08-23  
25 <150> PRIOR APPLICATION NUMBER: 60/152,421  
26 <151> PRIOR FILING DATE: 1999-09-03  
28 <160> NUMBER OF SEQ ID NOS: 22  
30 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
32 <210> SEQ ID NO: 1  
33 <211> LENGTH: 12  
34 <212> TYPE: PRT  
35 <213> ORGANISM: Artificial Sequence  
37 <220> FEATURE:  
38 <223> OTHER INFORMATION: Fragment of Monocyte Chemoattractant Protein-1  
40 <400> SEQUENCE: 1  
41 Glu Ile Cys Ala Asp Pro Lys Gln Lys Trp Val Gln  
42 1 5 10  
45 <210> SEQ ID NO: 2  
46 <211> LENGTH: 12  
47 <212> TYPE: PRT  
48 <213> ORGANISM: Artificial Sequence  
50 <220> FEATURE:  
51 <223> OTHER INFORMATION: Fragment of Monocyte Chemoattractant Protein-1  
53 <400> SEQUENCE: 2  
54 Glu Ile Cys Leu Asp Pro Lys Gln Lys Trp Ile Gln  
55 1 5 10  
58 <210> SEQ ID NO: 3  
59 <211> LENGTH: 24  
60 <212> TYPE: PRT  
61 <213> ORGANISM: Artificial Sequence  
63 <220> FEATURE:  
64 <223> OTHER INFORMATION: Fragment of Monocyte Chemoattractant Protein-1  
66 <400> SEQUENCE: 3  
67 Ala Tyr Asn Phe Thr Asn Arg Lys Ile Ser Val Gln Arg Leu Ala Ser

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68 1 5 10 15  
69 Tyr Arg Arg Ile Thr Ser Ser Lys  
70 20  
73 <210> SEQ ID NO: 4  
74 <211> LENGTH: 26  
75 <212> TYPE: PRT  
76 <213> ORGANISM: Artificial Sequence  
78 <220> FEATURE:  
79 <223> OTHER INFORMATION: Disulfide cyclized fragments of Monocyte  
80 Chemoattractant Protein-1  
82 Disulfide bond between cysteines at positions 2  
83 and 26  
85 <400> SEQUENCE: 4  
86 Ala Cys Tyr Asn Phe Thr Asn Arg Lys Ile Ser Val Gln Arg Leu Ala  
87 1 5 10 15  
88 Ser Tyr Arg Arg Ile Thr Ser Ser Lys Cys  
89 20 25  
92 <210> SEQ ID NO: 5  
93 <211> LENGTH: 23  
94 <212> TYPE: PRT  
95 <213> ORGANISM: Artificial Sequence  
97 <220> FEATURE:  
98 <223> OTHER INFORMATION: Disulfide Cyclized Fragments of Monocyte  
99 Chemoattractant Protein-1  
101 Disulfide bond between cysteines at positions 2  
102 and 21; an dpositions 10 and 13.  
104 <400> SEQUENCE: 5  
105 Tyr Cys Phe Thr Asn Arg Lys Ile Ser Cys Gln Arg Cys Ala Ser Tyr  
106 1 5 10 15  
107 Arg Arg Ile Thr Cys Ser Lys  
108 20  
111 <210> SEQ ID NO: 6  
112 <211> LENGTH: 35  
113 <212> TYPE: PRT  
114 <213> ORGANISM: Artificial Sequence  
116 <220> FEATURE:  
117 <223> OTHER INFORMATION: N-terminus fragment of the Monocyte  
118 Chemoattractant Protein-1 Receptor CCR2 .  
122 <400> SEQUENCE: 6  
123 Leu Ser Thr Ser Arg Ser Arg Phe Ile Arg Asn Thr Asn Glu Ser Gly  
124 1 5 10 15  
125 Glu Glu Val Thr Thr Phe Phe Asp Tyr Asp Tyr Gly Ala Pro Cys His  
126 20 25 30  
127 Lys Phe Asp  
128 35  
131 <210> SEQ ID NO: 7  
132 <211> LENGTH: 14  
133 <212> TYPE: PRT  
134 <213> ORGANISM: Artificial Sequence

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136 <220> FEATURE:  
137 <223> OTHER INFORMATION: N-terminus fragment of the Monocyte  
138 Chemoattractant Protein-1 Receptor CCR2.  
140 One or both tyrosines at positions 8 and 10 are  
141 optionally phosphorylated or sulfated.  
143 <400> SEQUENCE: 7  
144 Glu Val Thr Thr Phe Phe Asp Tyr Asp Tyr Gly Ala Pro Cys  
145 1 5 10  
148 <210> SEQ ID NO: 8  
149 <211> LENGTH: 15  
150 <212> TYPE: PRT  
151 <213> ORGANISM: Artificial Sequence  
153 <220> FEATURE:  
154 <223> OTHER INFORMATION: Fragment of viral chemokine US28.  
156 The tyrosine at position 8 is optionally  
157 phosphorylated or sulfated.  
159 <400> SEQUENCE: 8  
160 Glu Leu Thr Thr Glu Phe Asp Tyr Asp Asp Glu Ala Thr Pro Cys  
161 1 5 10 15  
164 <210> SEQ ID NO: 9  
165 <211> LENGTH: 9  
166 <212> TYPE: PRT  
167 <213> ORGANISM: Artificial Sequence  
169 <220> FEATURE:  
170 <223> OTHER INFORMATION: Fragment of the Interleukin-8 Receptor CXCR1  
172 <400> SEQUENCE: 9  
173 Pro Pro Ala Asp Glu Asp Tyr Ser Pro  
174 1 5  
177 <210> SEQ ID NO: 10  
178 <211> LENGTH: 23  
179 <212> TYPE: PRT  
180 <213> ORGANISM: Artificial Sequence  
182 <220> FEATURE:  
183 <223> OTHER INFORMATION: Fragment of Monocyte Chemoattractant Protein-1  
185 <400> SEQUENCE: 10  
186 Tyr Asn Phe Thr Asn Arg Lys Ile Ser Val Gln Arg Leu Ala Ser Tyr  
187 1 5 10 15  
188 Arg Arg Ile Thr Ser Ser Lys  
189 20  
192 <210> SEQ ID NO: 11  
193 <211> LENGTH: 23  
194 <212> TYPE: PRT  
195 <213> ORGANISM: Artificial Sequence  
197 <220> FEATURE:  
198 <223> OTHER INFORMATION: Disulfide cycled fragment of Monocyte  
199 Chemoattractant Protein-1  
201 Disulfide bond between cysteines at positions 10  
202 and 13.  
204 <400> SEQUENCE: 11

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205 Tyr Asn Phe Thr Asn Arg Lys Ile Ser Cys Gln Arg Cys Ala Ser Tyr  
206 1 5 10 15  
207 Arg Arg Ile Thr Ser Ser Lys  
208 20  
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212 <211> LENGTH: 23  
213 <212> TYPE: PRT  
214 <213> ORGANISM: Artificial Sequence  
216 <220> FEATURE:  
217 <223> OTHER INFORMATION: Disulfide cyclized fragment of Monocyte  
218 Chemoattractant Protein-1  
220 Disulfide bond between cysteines at positions 10  
221 and 18.  
223 <400> SEQUENCE: 12  
224 Tyr Asn Phe Thr Asn Arg Lys Ile Ser Cys Gln Arg Leu Ala Ser Cys  
225 1 5 10 15  
226 Arg Arg Ile Thr Ser Ser Lys  
227 20  
230 <210> SEQ ID NO: 13  
231 <211> LENGTH: 23  
232 <212> TYPE: PRT  
233 <213> ORGANISM: Artificial Sequence  
235 <220> FEATURE:  
236 <223> OTHER INFORMATION: Fragment of Monocyte Chemoattractant Protein-1  
238 <400> SEQUENCE: 13  
239 Tyr Asn Phe Lys Asn Arg Lys Glu Ser Val Gln Arg Leu Ala Ser Tyr  
240 1 5 10 15  
241 Arg Arg Ile Thr Ser Ser Lys  
242 20  
245 <210> SEQ ID NO: 14  
246 <211> LENGTH: 23  
247 <212> TYPE: PRT  
248 <213> ORGANISM: Artificial Sequence  
250 <220> FEATURE:  
251 <223> OTHER INFORMATION: Disulfide cyclized fragment of Monocyte  
252 Chemoattractant Protein-1  
254 Disulfide bond between cysteines at positions 2  
255 and 21.  
257 <400> SEQUENCE: 14  
258 Tyr Cys Phe Thr Asn Arg Lys Ile Ser Val Gln Arg Leu Ala Ser Tyr  
259 1 5 10 15  
260 Arg Arg Ile Thr Cys Ser Lys  
261 20  
264 <210> SEQ ID NO: 15  
265 <211> LENGTH: 23  
266 <212> TYPE: PRT  
267 <213> ORGANISM: Artificial Sequence  
269 <220> FEATURE:  
270 <223> OTHER INFORMATION: Disulfide cyclized fragment of Monocyte

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271 Chemoattractant Protein-1  
273 Disulfide bond between cysteines at positions 2  
274 and 21; and positions 10 and 16.  
276 <400> SEQUENCE: 15  
277 Tyr Cys Phe Thr Asn Arg Lys Ile Ser Cys Gln Arg Leu Ala Ser Cys  
278 1 5 10 15  
279 Arg Arg Ile Thr Cys Ser Lys  
280 20  
283 <210> SEQ ID NO: 16  
284 <211> LENGTH: 19  
285 <212> TYPE: PRT  
286 <213> ORGANISM: Artificial Sequence  
288 <220> FEATURE:  
289 <223> OTHER INFORMATION: Disulfide cyclized fragment of Monocyte  
290 Chemoattractant Protein-1  
292 Disulfide bond between cysteines at positions 6  
293 and 9.  
295 <400> SEQUENCE: 16  
296 Asn Arg Lys Ile Ser Cys Gln Arg Cys Ala Ser Tyr Arg Arg Ile Thr  
297 1 5 10 15  
298 Ser Ser Lys  
302 <210> SEQ ID NO: 17  
303 <211> LENGTH: 18  
304 <212> TYPE: PRT  
305 <213> ORGANISM: Artificial Sequence  
307 <220> FEATURE:  
308 <223> OTHER INFORMATION: Disulfide cyclized fragment of Monocyte  
309 Chemoattractant Protein-1  
311 Disulfide bond between cysteines at positions 10  
312 and 13.  
314 <400> SEQUENCE: 17  
315 Tyr Asn Phe Thr Asn Arg Lys Ile Ser Cys Gln Arg Cys Ala Ser Tyr  
316 1 5 10 15  
317 Arg Arg  
321 <210> SEQ ID NO: 18  
322 <211> LENGTH: 14  
323 <212> TYPE: PRT  
324 <213> ORGANISM: Artificial Sequence  
326 <220> FEATURE:  
327 <223> OTHER INFORMATION: Disulfide cyclized fragment of Monocyte  
328 Chemoattractant Protein-1  
330 Disulfide bond between cysteines at positions 4  
331 and 9.  
333 <400> SEQUENCE: 18  
334 Asn Arg Lys Cys Ser Val Gln Arg Cys Ala Ser Tyr Arg Arg  
335 1 5 10  
338 <210> SEQ ID NO: 19  
339 <211> LENGTH: 14  
340 <212> TYPE: PRT

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/082,815

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TIME: 13:55:44

Input Set : A:\27911003007.txt.txt

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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date